## **IN THE CLAIMS:**

1. (Currently Amended) An underfill system for filling gaps between semiconductor chips and substrates, comprising:

an air duct; and

a blower configured to blow air into said air duct,

wherein said air duct includes:

a main duct coupled to said blower, and

a plurality of sub-ducts each having an outlet being coupled to said main duct and an inlet of the sub-ducts to be disposed on one side surface of said semiconductor chip, wherein said one side surface having a first edge and a second edge, said second edge is being longer than said first edge, and configured to provide a filling material to fill said gaps between said semiconductor chips and said substrates by suction due to a pressure difference between said main duct and said sub-duct,

wherein said inlet extends along substantially the entire length of said second edge of said one side <u>surface</u> of said semiconductor chip.

- 2. (Original) The underfill system as claimed in claim 1, wherein said outlet of the sub-duct is of a smaller width than said inlet of the sub-duct.
- 3. (Original) The underfill system as claimed in claim 1, further comprising a valve for controlling the velocity of air blown from said blower, wherein said valve is located on said main duct between the blower and the sub-ducts.
- 4. (Original) The underfill system as claimed in claim 3, further comprising a timer that closes said valve to block air blown from said blower into said main duct.
- 5. (Original) The underfill system as claimed in claim 1, wherein said air blown from said blower is at a temperature of approximately 25°C or higher.

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- 6. (Original) The underfill system as claimed in claim 1, wherein the blower comprises a hydraulic-type blower.
- 7. (Original) The underfill system as claimed in claim 1, wherein the blower comprises a fan-type blower.
- 8. (Original) The underfill system as claimed in claim 1, wherein the blower comprises a pneumatic-type blower.
- 9. (Currently Amended) A method for filling gaps between semiconductor chips and substrates using an underfill system comprising a blower structured to blow air, an air duct coupled to said blower, the air duct comprising: a main duct connected to said blower; and a plurality of sub-ducts each having an outlet being connected to said main duct and an inlet to be disposed on one side surface of said semiconductor chip, the inlet of the sub-duct forming a suction when the blower blows air in the air duct, and said one side surface having a first edge and a second edge, said second edge is being longer than said first edge, the method comprising:

mounting said semiconductor chips onto said substrates

placing one of said substrates in the suction of one of the sub-ducts; and

filling said gaps between said semiconductor chips and said substrates with a filling material from a dispenser by creating suction that draws the filling material across said gaps, the filling material provided in a direction toward the inlet of the one of the sub-ducts,

wherein said inlet extends along substantially the entire length of said second edge of said one side <u>surface</u> of said semiconductor chip.

- 10. (Original) The method of claim 9, further comprising: blocking the flow of air along the main duct.
- 11. (Previously Presented) The method of claim 9, wherein creating suction comprises increasing the pressure difference between said main duct and said sub-duct.

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